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# NOTICE OF ALLOWANCE AND FEE(S) DUE

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01/30/2006

HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195 EXAMINER

NGUYEN, TUAN H

PAPER NUMBER

ART UNIT

DATE MAILED: 01/30/2006

| APPLICATION NO. FILING DATE |            | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------------------|------------|----------------------|---------------------|------------------|
| 10/615,881                  | 07/10/2003 | Jae-Hyun Yeo         | 9862-000015/US/CPA  | 8462             |

TITLE OF INVENTION: METHOD OF FORMING MATERIAL USING ATOMIC LAYER DEPOSITION AND METHOD OF FORMING CAPACITOR OF SEMICONDUCTOR DEVICE USING THE SAME

| APPLN. TYPE    | SMALL ENTITY | ISSUE FEE | PUBLICATION FEE | TOTAL FEE(S) DUE | DATE DUE   |
|----------------|--------------|-----------|-----------------|------------------|------------|
| nonprovisional | NO           | \$1400    | \$300           | \$1700           | 05/01/2006 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.
- B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

- A. Pay TOTAL FEE(S) DUE shown above, or
- B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.
- II. PART B FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.
- III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

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|  |  |   |   |   |  | (Date)   |
| APPLICATION NO.  | FILING DATE  |   | FIRST NAMEI                                   | DINVENTOR   | ATTORNEY DOCKET NO.  | CONFIRMATION NO.   |
| 10/615,881   | 07/10/2003   | <u> </u>                                | Jae-Hyı                                       |   | 9862-000015/US/CPA   | 8462   |
| •  |  | S MATERIAL I                            | •   | MIC LAYER DEPOSITION  |  |  |
| SEMICONDUCTOR DEVI   |  | J WIATERIAL C                           | ISING ATO                                     | MIC LATER DEPOSITION  | AND METHOD OF FOI  | KMING CAPACITOR OF   |
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| APPLN. TYPE  | SMALL ENTITY   | ISSUE FI                                | 88  | PUBLICATION FEE   | TOTAL FEE(S) DUE   | DATE DUE   |
| nonprovisional   | NO NO  |   |   |   | TOTAL FEE(S) DUE   | DATE DUE   |
| nonprovisionar   | NO   | \$1400                                  | ,   | \$300   | \$1700   | 05/01/2006   |
| EXAM   | MINER  | ART UN                                  | lT  | CLASS-SUBCLASS  | ]  |  |
| NGUYEN   | I, TUAN H  | 2813                                    |   | 438-240000  |  |  |
| 1. Change of correspondence CFR 1.363).                          | e address or indication of "Fe                                 | ee Address" (37                         |   | ting on the patent front page, li   |  |  |
| Change of correspond   | dence address (or Change of                                    | Correspondence                          |   | mes of up to 3 registered pater<br>OR, alternatively,   | it attorneys   |  |
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| PTO/SB/47; Rev 03-02 Number is required.                         | tion (or "Fee Address" Indica<br>or more recent) attached. Use | of a Customer                           | 2 registere                                   | attorney or agent) and the named patent attorneys or agents. If name will be printed.   | no name is 3   |  |
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|  |  |   |   | ear on the patent. If an assign<br>for filing an assignment.  | ee is identified below, the d  | locument has been filed for                                |
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| 4a. The following fee(s) are                                     | e assignee category or categor                                 | <del></del>                             | Payment of                                    |   | orporation or other private gr   | oup entity  Government                                     |
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|  | MALL ENTITY status. See 3                                      | •                                       | ☐ b. Applica                                  | ant is no longer claiming SMAI  | LL ENTITY status. See 37 C   | FR 1.27(g)(2).   |
|  |  |   |   | y) or to re-apply any previousle other than the applicant; a regi   |  |  |
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| submitting the completed ap                                      | oplication form to the USPT                                    | D. Time will vary                       | depending up                                  | to obtain of retain a benefit by the lection is estimated to take 12 in the individual case. Any contain Officer, U.S. Patent and PORMS TO THIS ADDRESS     | minutes to complete, including mments on the amount of the   | ng gathering, preparing, and<br>me you require to complete |
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| 30593 75                          | 90 01/30/2006 | EXAMINER             |                         |                  |  |
| HARNESS, DICKEY & PIERCE, P.L.C.  |               |                      | NGUYEN, TUAN H          |                  |  |
| P.O. BOX 8910<br>RESTON, VA 20195 |               |                      | ART UNIT                | PAPER NUMBER     |  |
|                                   |               |                      | 2813                    |                  |  |
|                                   |               |                      | DATE MAILED: 01/30/2006 | ς.               |  |

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 53 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 53 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.